INTERNATIONAL SEARCH REPORT



A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G05G1/10 G05G9/047 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal C. DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages Category * Relevant to daim No. EP 1 262 854 A (KAWASAKI HEAVY IND LTD) 1-8 4 December 2002 (2002-12-04) abstract figures WO 00/66414 A (GERSTEEN ISO DELTA) 1-8 9 November 2000 (2000-11-09) abstract claim 10 figures 1-4 GB 1 318 747 A (DAIMLER BENZ AG) 1-8 31 May 1973 (1973-05-31) the whole document DE 91 10 109 U (ELDRA KUNSTSTOFFTECHNIK 2-6 GMBH) 19 December 1991 (1991-12-19) the whole document -/--Further documents are listed in the continuation of box C. Patent family members are listed in annex. Special categories of cited documents: "T" later document published after the international filing date or priority date and not in conflict with the application but "A" document defining the general state of the art which is not clied to understand the principle or theory underlying the considered to be of particular relevance invention "E" earlier document but published on or after the international "X" document of particular relevance; the claimed invention filing date cannot be considered novel or cannot be considered to "L" document which may throw doubts on priority claim(s) or involve an inventive step when the document is taken alone which is cited to establish the publication date of another "Y" document of particular relevance; the claimed invention citation or other special reason (as specified) cannot be considered to involve an Inventive step when the "O" document referring to an oral disclosure, use, exhibition or document is combined with one or more other such docuother means ments, such combination being obvious to a person skilled in the art. *P* document published prior to the international filling date but taler than the priority date claimed "&" document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 18 January 2005 28/01/2005 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Vermander, W Fax: (+31-70) 340-3016

INTERNATIONAL SEARCH REPORT

PCT/FR2004/002521

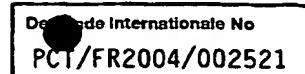
	citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Category *	Chanch of occument, with indication, where appropriate, or the relevant passages	Tistovani io Ciami ido.
	FR 2 800 701 A (DOMINO SPA) 11 May 2001 (2001-05-11) abstract page 2, line 15 - line 34 figures 1-3	9
	210 (continuation of second sheet) (January 2004)	

INTERNATIONAL SEARCH REPORT

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			EP	1262854 A1	04-12-2002
			US	2002178624 A1	05-12-2002
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			AT	245103 T	15-08-2003
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			ΕP	1055582 A1	29-11-2000
			ES	2203403 T3	16-04-2004
			WO	0066414 A1	09-11-2000
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			FR	2083784 A5	17-12-1971
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FR 2800701	A	11-05-2001	IT	MI990667 U1	04-05-2001
	-	-	DE	20016633 U1	14-12-2000
			FR	2800701 A3	11-05-2001

RAPPORT DE RECHERCHE INTERNATIONALE



Les documents de familles de brevets sont indiqués en annexe

A. CLASSEMENT DE L'OBJET DE LA DEMANDE CIB 7 G05G1/10 G05G9/047

Selon la classification internationale des brevets (CIB) ou à la fois selon la classification nationale et la CIB

B. DOMAINES SUR LESQUELS LA RECHERCHE A PORTE

Documentation minimate consultée (système de classification sulvi des symboles de classement) CIB 7 GOSG

Documentation consultée autre que la documentation minimale dans la mesure où ces documents relèvent des domaines sur lesquels a porté la recherche

Base de données électronique consultée au cours de la recherche internationale (nom de la base de données, et si réalisable, termes de recherche utilisés)

EPO-Internal

C. DOCUM	ENTS CONSIDERES COMME PERTINENTS	
Catégorie °	Identification des documents cités, avec, le cas échéant, l'indication des passages pertinents	no. des revendications visées
Y	EP 1 262 854 A (KAWASAKI HEAVY IND LTD) 4 décembre 2002 (2002-12-04) abrégé figures	1-8
Υ	WO 00/66414 A (GERSTEEN ISO DELTA) 9 novembre 2000 (2000-11-09) abrégé revendication 10 figures 1-4	1-8
Υ	GB 1 318 747 A (DAIMLER BENZ AG) 31 mai 1973 (1973-05-31) le document en entier	1-8
A	DE 91 10 109 U (ELDRA KUNSTSTOFFTECHNIK GMBH) 19 décembre 1991 (1991-12-19) le document en entier	2-6
	-/	

 Catégories spéciales de documents cités: 'A' document définissant l'état général de la technique, non considéré comme particulièrement pertinent 	'T' document ultérieur publié après la date de dépôt international ou la date de priorité et n'appartenenant pas à l'état de la technique perlinent, mais cité pour comprendre le principe ou la théorie constituant la base de l'invention
 'E' document antérieur, mais publié à la date de dépôt international ou après cette date 'L' document pouvant leter un doute sur une revendication de priorité ou cité pour déterminer la date de publication d'une autre citation ou pour une raison spéciale (telle qu'indiquée) 'O' document se référant à une divulgation orale, à un usage, à une exposition ou tous autres moyens 'P' document publié avant la date de dépôt International, mais postérieurement à la date de priorité revendiquée 	 *X* document particulièrement pertinent; l'inven tion revendiquée ne peut être considérée comme nouvelle ou comme impliquant une activité inventive par rapport au document considéré isolément *Y* document particulièrement pertinent; l'inven tion revendiquée ne peut être considérée comme impliquant une activité inventive lorsque le document est associé à un ou plusieurs autres documents de même nature, cette combinaison étant évidente pour une personne du métier *&* document qui fait partie de la même famille de brevets
Date à laquelle la recherche internationale a été effectivement achevée	Date d'expédition du présent rapport de recherche internationale
18 janvier 2005	28/01/2005
Nom et adresse postale de l'administration chargée de la recherche internations Office Européen des Brevets, P.B. 5818 Patentiaan 2 NL – 2280 HV Rijswijk	ale Fonctionnaire autorisé
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Vermander, W

Your la suite du cadre C pour la fin de la liste des documents

RAPPORT DE RECHERCHE INTERNATIONALE

PCT/FR2004/002521

	OCUMENTS CONSIDERES COMME PERTINENTS Identification des documents cités, avec, le cas échéant, l'indication des passages pertinents	no. des revendications visées
rareBoue ,	edentification des documents cites, avec, la ces echeant, i indication des passages pertinents	TO. GES THERROGATIONS VISÉES
	FR 2 800 701 A (DOMINO SPA)	9
	11 mai 2001 (2001-05-11)	
	abrégé page 2, ligne 15 - ligne 34	
	figures 1-3	
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RAPPORT DE RECHERCHE INTERNATIONALE

Dende internationale No	
PCT/FR2004/002521	

Document brevet cité au rapport de recherche	Date de publication	Membre(s) de la familie de brevet(s)		Date de publication
EP 1262854 A	04-12-2002	JP	2002358133 A	13-12-2002
		EP	1262854 A1	04-12-2002
		US	2002178624 A1	05-12-2002
WO 0066414 A	09-11-2000	FR	2793202 A1	10-11-2000
		AT	245103 T	15-08-2003
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		WO	0066414 A1	09-11-2000
		JP	2002542987 T	17-12-2002
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		FR	2083784 A5	17-12-1971
		JP	50014410 B	27-05-1975
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FR 2800701 A	11-05-2001	IT	MI990667 U1	04-05-2001
		DE	20016633 U1	14-12-2000
		FR	2800701 A3	11-05-2001

TRAITÉ DE COOPÉRATION EN MATIÈRE DE BREVETS

PCT

RAPPORT PRÉLIMINAIRE INTERNATIONAL SUR LA BREVETABILITÉ (chapitre I du Traité de coopération en matière de brevets)

(règle 44bis du PCT)

Référence du dossier du déposant ou du mandataire PVVREBR048565	POUR SUITE À DONNER	Voir le point 4 ci-dessous
Demande internationale no. PCT/FR2004/002521	Date du dépôt international (jour/mois/année) 06 October 2004 (06.10.2004)	Date de priorité (jour/mois/année) 14 October 2003 (14.10.2003)
Classification internationale des breve Voir les informations pertinentes dans	ets (8 ^e edition, sauf indication d'une #dition ant#rie le formulaire PCT/ISA/237	ure)
Déposant BOSCH REXROTH D.S.I.		
BOSCH REXROTH D.S.I.		

1.	Le présent rapport préliminaire i l'administration chargée de la re		té (chapitre I) est établi par le Bureau international au nom de a règle 44 <i>bis</i> .1.a).		
2.	Ce RAPPORT comprend un tota	l de 5 feuilles, y compris la p	résente feuille de couverture.		
			l'administration chargée de la recherche internationale doit être naire international sur la brevetabilité (chapitre I).		
3.	Le présent rapport contient des i	ndications relatives aux point	s suivants :		
	Cadre n° I	Base de l'opinion			
	Cadre n° II	Priorité			
	Cadre n° III	Absence de formulation d' d'application industrielle	opinion quant à la nouveauté, l'activité inventive et la possibilité		
	Cadre n° IV	Absence d'unité de l'invention			
	Cadre n° V	Déclaration motivée selon l'article 35.2) quant à la nouveauté, l'activité inventive et la possibilité d'application industrielle; citations et explications à l'appui de cette déclaration			
	Cadre n° VI	Certains documents cités			
	Cadre n° VII	Certaines irrégularités relevées dans la demande internationale			
	Cadre n° VIII	Certaines observations rela	atives à la demande internationale		
4.	4. Le Bureau international communiquera le présent rapport aux offices désignés conformément aux règles 44bis.3.c) et 93bis.1 mais pas avant l'expiration du délai de 30 mois à compter de la date de priorité (règle 44bis.2), sauf si le déposant a présenté une requête expresse à cet égard en vertu de l'article 23.2).				
			Date d'établissement du présent rapport 27 July 2006 (27.07.2006)		
	Bureau international of 34, chemin des Colo 1211 Geneva 20. Sw	ombettes	Fonctionnaire autorisé Beate Giffo-Schmitt		
no de télécopieur +41 22 338 82 70			e-mail: pt03@wipo.int		

Formulaire PCT/IB/373 (janvier 2004)

PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY				
То:			PCT Plan	
		WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY		
			(PCT Rule 43bis.1)	
		Date of mailing (day/month/year)	See Form PCT/ISA/210 (sheet 2)	
Applicant's or agent's file reference		FOR FURTHER A		
PVVREBR048565	1	<u>.l</u>	See paragraph 2 below	
International application No. PCT/FR2004/002521	International filing date (day/month/year)	Priority date (day/month/year) 14.10.2003	
International Patent Classification (IPC) or both	 national classification and	d IPC		
G05G1/10. G05G9/047				
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	•	<u> </u>	
Applicant BOSCH REXROTH D.S.I.				
		•		
1. This opinion contains indications related	ting to the following items	:	·	
Box No. I Basis of the	opinion			
Box No. II Priority				
Box No. III Non-establis	shment of opinion with reg	gard to novelty, inventi	ve step and industrial applicability	
Box No. IV Lack of unit	y of invention			
DOM 1101		bis.1(a)(i) with regard to novelty, inventive step or industrial tions supporting such statement		
Box No. VI Certain docu	uments cited			
Box No. VII Certain defe	ects in the international app	olication		
Box No. VIII Certain obse	ervations on the internation	nal application		
2. FURTHER ACTION				
If a demand for international preliminary Examining.	Authority ("IPEA") excep chosen IPEA has notified	t that this does not app the International Bure	be considered to be a written opinion of the by where the applicant chooses an Authority other cau under Rule 66.1 bis(b) that written opinions of	
If this opinion is, as provided above,	considered to be a writte oriate, with amendments,	n opinion of the IPEA before the expiration	of 3 months from the date of mailing of Form expires later.	
For further options, see Form PCT/IS.	A/220.			
3. For further details, see notes to Form	PCT/ISA/220.			
Name and mailing address of the ISA/EP		Authorized officer		
Facsimile No.		Telephone No.		

Facsimile No.

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/FR2004/002521

Bo	x No. I Basis of this opinion
1.	With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
	This opinion has been established on the basis of a translation from the original language into the following language , which is the language of a translation furnished for the purposes of international search (under
•	Rule 12.3 and 23.1(b)).
2.	With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
	a. type of material
	a sequence listing
	table(s) related to the sequence listing
	b. format of material
	in written format
:	in computer readable form
	c. time of filing/furnishing
	contained in the international application as filed.
	filed together with the international application in computer readable form.
	furnished subsequently to this Authority for the purposes of search.
3.	In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4.	Additional comments:

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/FR2004/002521

Box No. V		Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement			
ł.	Statement				
	Novelty (N)		Claims	1-9	YES
			Claims		NO NO
	Inventive step (IS)		Claims	1-9	YES
			Claims		NO
	Industrial applicability (IA) Cl		Claims	1-9	YES
			Claims	· · · · · · · · · · · · · · · · · · ·	NO NO

- 2. Citations and explanations:
 - 1. Reference is made to the following document:

D1: EP1262854

2. The document D1, which is regarded as the prior art closest to the subject matter of claim 1, describes (the references between parentheses apply to this document):

Control handle (1) for a public works vehicle, comprising a core (2a, 2b) having an inner cavity (between 2a and 2b), on which are mounted control elements (18) that include buttons and/or sliding members (3a, 3b) designed to be actuated by an operator in order to enable the different functions of the vehicle to be controlled.

The subject matter of claim 1 differs from the above in that:

the core is covered over at least part of its surface by an envelope consisting of a layer of at least one heat-curable polymer foam cast at low pressure.

3. The subject matter of claim 1 is therefore novel

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/FR2004/002521

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

(PCT Article 33(2)).

4. The problem that the present invention is intended to solve can thus be considered to be that of producing a control handle of specific shape that is impervious to water infiltration.

The solution to this problem, as proposed in claim 1 of the present application, is considered to involve an inventive step (PCT Article 33(3)), for the following reasons: the use of a heat-curable polymer foam to guarantee the leaktightness of a control handle on the one hand, the polymer of which is cast at low pressure, and on the other hand a manufacturing process that has no need of costly moulds since they are not subject to high pressure is not disclosed in the prior art nor rendered obvious.

5. Claims 2-9 are dependent on claim 1 and thus also comply, as such, with the requirements of novelty and inventive step of the PCT.